

**Amendments to the Specification:**

Please replace paragraph [0021], with the following amended paragraph:

**[0021]** In accordance with ~~a first aspect of the present~~the invention of our  
issued patent 6,852,439, there is provided a fuel cell assembly comprising:

a plurality of separate elements;  
at least one groove network extended throughout the fuel cell assembly  
and including at least one filling port for the at least one groove network; and  
a seal within each groove network that has been formed in place after  
assembly of said separate elements, wherein the seal provides a seal between at  
least two of said separate elements to define a chamber for a fluid for operation of the  
fuel cell.

Please replace paragraph [0023], with the following amended paragraph:

**[0023]** In accordance with ~~another aspect of the present~~ invention, there is  
provided a method of forming a seal in an electrochemical cell assembly comprising a  
plurality of separate elements, the method comprising:

- (a) assembling the separate elements of the fuel cell together;
- (b) providing a groove network extending through the separate  
elements and a filling port open to the exterior in communication with the groove  
network;
- (c) connecting a source of seal material to the filling port and injecting  
the seal material into the groove network to fill the groove network and simultaneously  
venting gas from the groove network; and
- (d) curing the seal material, to form a seal filling the groove network.

Please replace paragraph [0029], with the following amended paragraph:

**[0029]** ~~In accordance with another aspect of t~~The present invention can employ  
a, ~~there is provided a liquid seal material comprising of:~~

- (a) 100 parts by weight of polydiorganosiloxane containing 2 or more silicon-atom-bonded alkenyl groups in each molecule;
- (b) 5 to 50 parts by weight of reinforcing filler;
- (c) 1 to 20 parts by weight of an oxide or hydroxide of an alkaline-earth metal with an atomic weight of 40 or greater;
- (d) an organohydrogensiloxane containing 3 or more silicon-atom-bonded hydrogen atoms in each molecule, in an amount providing a molar ratio of the silicon-atom-bonded hydrogen atoms in this ingredient to the silicon-atom-bonded alkenyl groups in ingredient (a) in a range of 0.4:1 to 5:1;
- (e) a platinum-type metal catalyst in an amount providing 0.1 to 500 parts by weight of platinum-type metal per 1 million parts by weight of ingredient (a);
- (f) optionally, 0.1-5.0 parts by weight of organic peroxide with or without ingredient (e);
- (g) optionally, 0.01-5.0 parts by weight inhibitors; and
- (h) optionally, 0 to 100 parts by weight of non-reinforcing extending fillers.

Please replace paragraph **[0161]**, with the following amended paragraph:

**[0161]** Several alternative elastomeric materials may be used to form the seals instead of the polysiloxane elastomeric materials described above providing they have a suitable viscosity and rheology. These alternative elastomeric materials may, for example, include one or more of the following: Ethylene Acrylic Polymers such as those sold under the trademark Vamac, Fluoro elastomers such as those sold under the trademark Viton and Ethylene Propylene Terpolymers such as those sold under the trademark Nordel (Viton and Nordel are all Registered trademarks of Du Pont Dow Elastomers L.L.C Corp. and Vamac is a registered trademark of E.I. du Pont de Nemours and Co Corp.). Other alternative elastomeric materials may include Epoxy resins and thermoplastic elastomers. It is to be noted however that in some cases these materials would need to be heated prior to filling the stack seal area and/or would not require curing, i.e. thermoplastics set by supplying them at a high temperature, above

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their melting point, and permitting them to cool to a temperature below their melting point, to cause them to set or become hard.